

HSPA1A antibody

Product Information

Catalog No.:	FNab04048
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

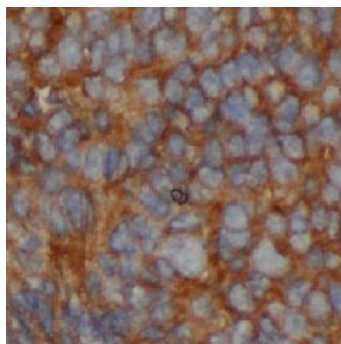
HSPA1A, collectively known as HSP70(also referred to HSP72), is a stress-inducible member of heat-shock protein 70(HSP70) proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. Encoded by two closely linked, intronless and stress-inducible genes, HSPA1A and HSPA1B differ by only two amino acids and are believed to be fully interchangeable proteins. HSPA1A is a cytosol/nuclear protein able to translocate between cytoplasm and nucleus. Generally, HSPA1A is thought to be expressed in unstressed normal cells at low or undetectable levels. Expression of HSPA1A protein can be highly activated by various stressful stimuli. Significant up-regulation of HSPA1A has been found in various tumors. Recently it has been reported that HSPA1A can be constitutively expressed in selected cell types. HSP70 is a useful marker for exosome. This antibody well recognized the endogenous HSP70 protein in multiple cell lines.

Immunogen information

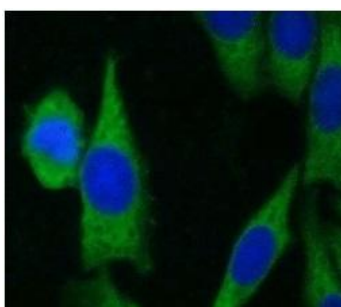
Immunogen:	heat shock 70kDa protein 1A
Synonyms:	Heat shock 70 kDa protein 1A Heat shock 70 kDa protein 1 (HSP70-1, HSP70.1) HSPA1A HSP72 HSPA1 HSX70
Observed MW:	66-70 kDa
Uniprot ID :	P0DMV8

Application

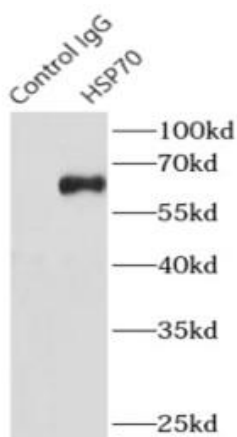
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, IHC, WB, IF, FC, IP
Recommended dilution:	WB: 1:1000-1:10000; IP: 1:500-1:2000; IHC: 1:50-1:500; IF: 1:20-1:200
Image:	



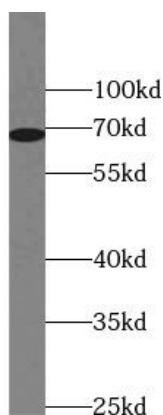
Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using FNab04048(HSP70 Antibody) at dilution of 1:200



Immunofluorescent analysis of HepG2 cells, using HSPA1A antibody FNab04048 at 1:50 dilution. Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-HSP70 (IP: FNab04048, 3ug; Detection: FNab04048 1:1000) with mouse brain tissue lysate 3600ug.



HeLa cells were subjected to SDS PAGE followed by western blot with FNab04048(HSP70 Antibody) at dilution of 1:5000